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# INTERNATIONAL HARVESTER



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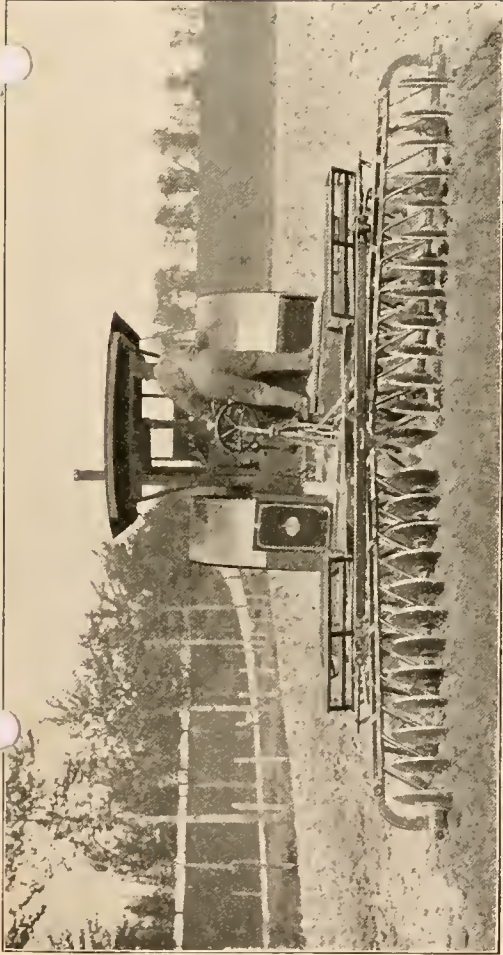
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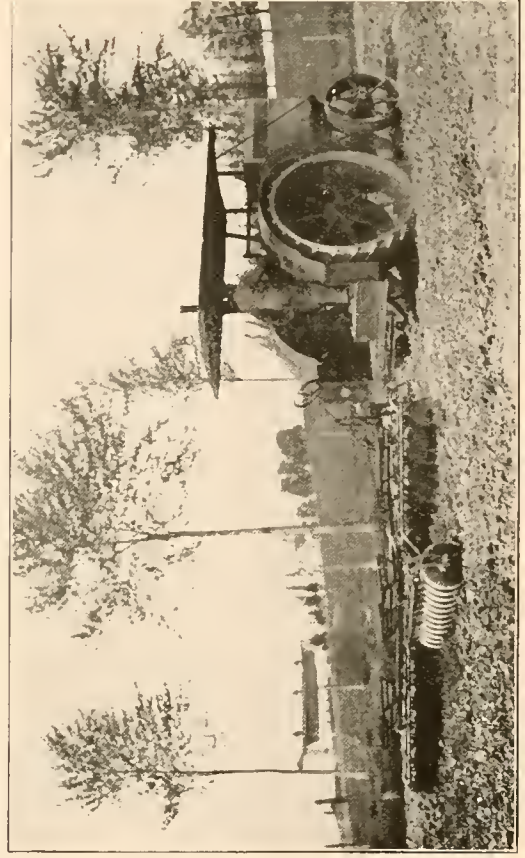


## International Tractor Disk Harrow

10 Feet Wide



12 Feet Wide



INTERNATIONAL HARVESTER COMPANY OF AMERICA  
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## International Tractor Disk Harrow

### The "One-Man" Outfit

**F**OR thoroughly double-disking a large acreage in a short time there is no implement that can compare with the International tractor disk harrow. This is a big, strong, powerful implement, built for the heaviest kind of work behind a tractor. It is built in two sizes, one size for harrowing a strip 10 feet wide and another size for harrowing a strip 12 feet wide. The larger implement has 48 disks divided into four gangs, and will thoroughly and completely double-disk a strip 12 feet wide—and when this harrow has followed the plow the ground is almost invariably ready for the drill.

### Trailers Can be Used

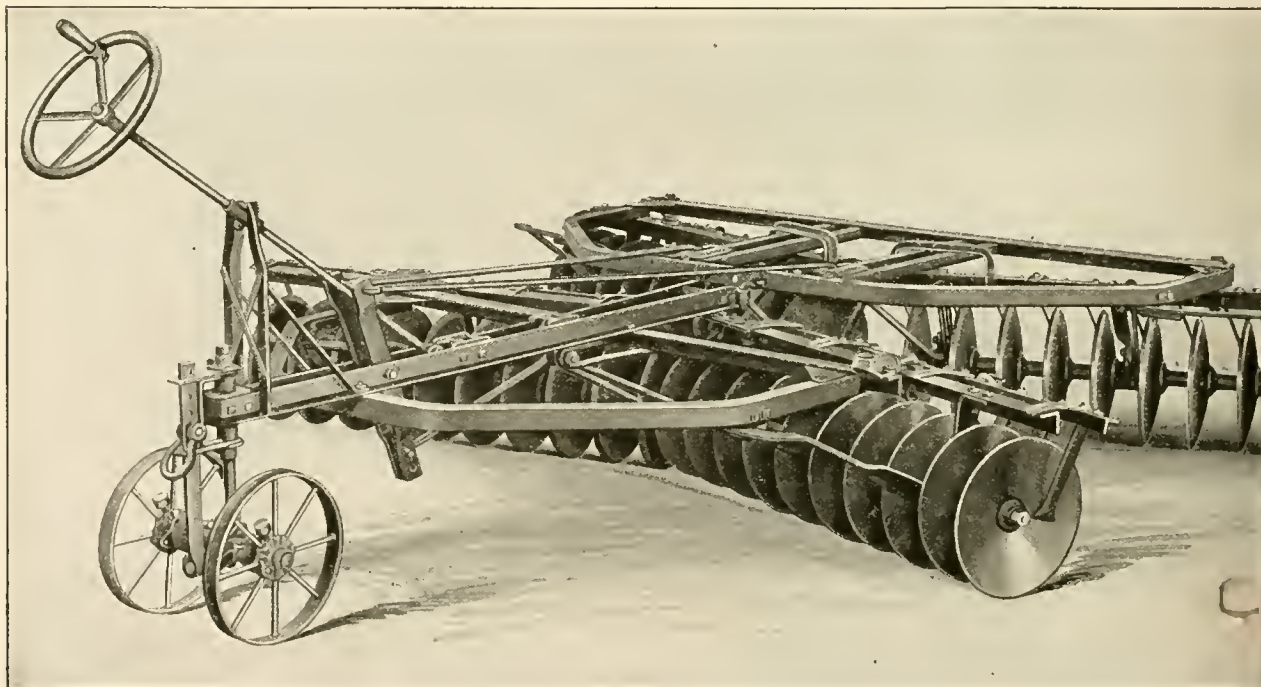
Spring harrows, peg harrows, or seeding machines can be used behind the International tractor disk harrow. A strong eye is provided which is fastened rigidly to the rear of the tractor harrow frame. It is a great time saver to be able to do the disking, smoothing and seeding at one operation. The unusual strength of the International tractor disk harrow makes this possible.

### This is a "One-Man" Outfit

The International has the great advantage of being a one-man outfit. The man who drives the tractor operates the harrow—no other operator is needed.

### One Hand-Wheel Angles All Gangs at Once

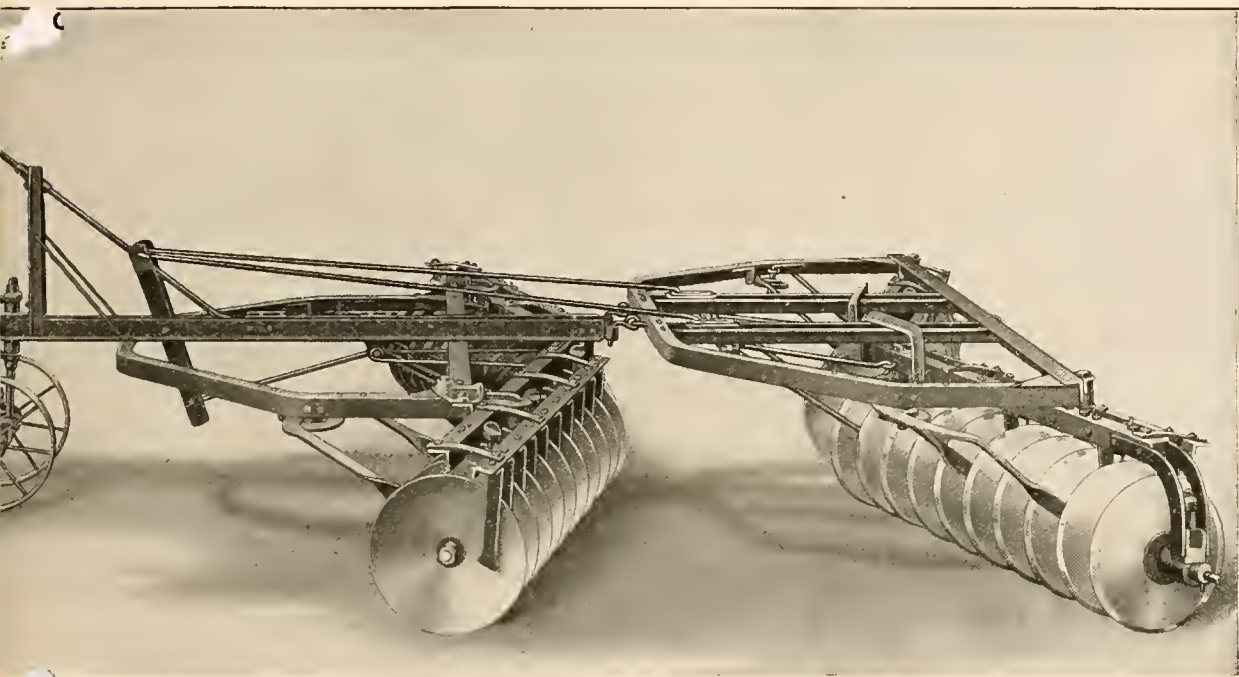
A large hand wheel, which is carried close to the operator, in the cab of the tractor, changes the angles of all of the gangs at the same time. This hand wheel is large and convenient. All of the levers which it operates work with powerful advantages, making it easy for the engine operator to change the angles of all of the gangs at once. The levers and rods used in setting the gangs at their proper angles are of ample size.



International tractor disk harrow, showing the hand-wheel, which makes this a "one-man" outfit



# INTERNATIONAL TRACTOR DISK HARROW



International tractor disk harrow, side view, showing the strong construction

## Strong, One-Piece Frames

**T**HE frames used on the front and rear gangs are practically the same. Each is built of one continuous piece of heavy angle steel, rigidly bolted to the heavy steel angles, which form the backbone of the harrow. The corners of these frames are held rigidly by flat, steel corner braces.

## The Gangs Can Always be Kept Level

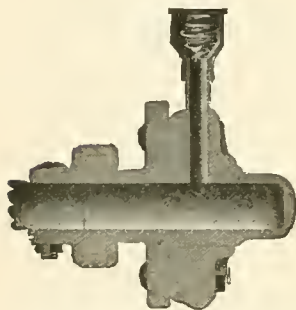
The front gangs are held level at all times by the heavy, steel-angle center framing, while the rear gangs are held level by angle steel straps which act on the angle steel cross braces of the rear frame. The gangs are pivoted on strong pivots located back of the center line of the arbor bolts so that the front gangs can roll together on their bumpers, relieving the bearings of all end thrust. The pull is transmitted to the gangs by heavy strap-iron drawbars working over large spools at the corners of the frames. By this means the pull is applied at three points on each gang. There is no danger of bending an arbor bolt.

## Bearings

All of the bearings used on the International tractor disk harrow are made of a special quality of hard iron and are made as nearly dust proof as it is possible to make a disk harrow. The rear gangs are built with a thrust bearing on the outside (which is the proper location for a thrust bearing). All bearings are equipped with grease cups, permitting the use of grease (or hard oil) which is the most satisfactory material for lubricating an implement of this kind. These grease cups have caps which are made to take a wrench. Thus, the grease can be forced into the bearings in cold weather.

# INTERNATIONAL TRACTOR DISK HARROW

## Forecarriage



Cross-section of the dust-proof bearing used in the forecarriage wheels

THE International tractor disk harrow is regularly equipped with a forecarriage, which is of great value in keeping the harrow running steadily. The forecarriage wheels are fitted with grease cups and dust-proof bearings, the grease cups being located between the spokes where obstructions on the ground cannot loosen them. The forecarriage wheel axle is swiveled, permitting the forecarriage wheels to follow the unevenness of the ground. The forecarriage is of especial value when the tractor harrow is used after the plow.

## Scrapers

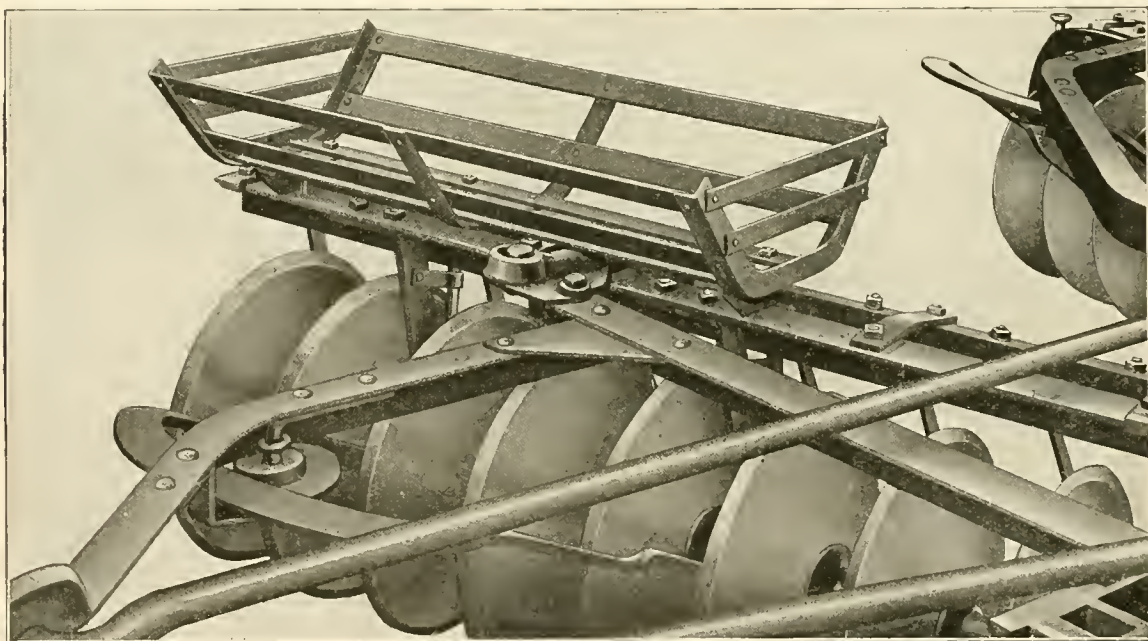
All of the disks are equipped with spring steel, one-piece scrapers, each of which can be adjusted to press as tightly against the disk as desired. They are made of a special shape, which is particularly well adapted to keeping the disks clean. The scrapers are held in place by a heavy steel angle, which is firmly bolted to the gang frame.

## Steel Weight Boxes

The International tractor disk harrow is regularly equipped with two weight boxes, placed on the forward gangs. These weight boxes are made of steel bars and angles. They are of great value when working in difficult ground.

## The International Disk Harrow Gives Satisfaction

The International tractor disk harrow has given thoroughly satisfactory service to all who have used it. It is an unusually heavy machine—one that will get right down to its work and cut its way through, chopping up the clods. The use of the International tractor disk harrow after the plowing has been done, with a spring tooth or peg tooth harrow trailing behind, and a seeding machine behind the smoothing harrow, is the quickest and best method of preparing a good seed bed and getting the crops into the ground under the best possible conditions.



Note the substantial construction of the frame, and the steel weight-box





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